Horns
Vibrating
870 Series

The 870 Series vibrating horns are low-current, high decibel, for heavy-duty use and are UL listed to NEMA 4X, NEMA 12 and NEMA 12K enclosure requirements. The die-cast box is suitable for outdoor use and has a durable, corrosion-resistant, electrostatic heat flowed powder epoxy gray finish. They may be used for indoor and outdoor applications.

Horn mounts on 3/4” NPT conduit or to any flat surface. Knockouts are located on the bottom and rear of the unit.

Features
• Convenient plug-in assembly
• Corrosion resistant finish
• Volume adjustable
• Completely assembled
• NEMA 4X, NEMA 12 and NEMA 12K rated enclosure
• Operating range: -20% to +10% of nominal volt

876 AC
• Adjustable output: 88 to 113dB @ 1m (78 to 103dB @ 10ft.)

877 DC
• Adjustable output: 88 to 111dB @ 1m (78 to 101dB @ 10ft.)

Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
<th>Operating Voltage</th>
<th>Current</th>
<th>VA</th>
<th>dB at 1m/10ft.</th>
<th>DC Coil Res (Ohms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>876-E5</td>
<td>12V AC</td>
<td>1.25 A</td>
<td>15</td>
<td>113/103</td>
<td>1.5</td>
</tr>
<tr>
<td>AC</td>
<td>876-G5</td>
<td>24V AC</td>
<td>0.63 A</td>
<td>15</td>
<td>113/103</td>
<td>5.2</td>
</tr>
<tr>
<td>AC</td>
<td>876-N5</td>
<td>120V AC</td>
<td>0.13 A</td>
<td>15</td>
<td>113/103</td>
<td>150</td>
</tr>
<tr>
<td>AC</td>
<td>876-R5</td>
<td>240V AC</td>
<td>0.07 A</td>
<td>16.8</td>
<td>113/103</td>
<td>580</td>
</tr>
<tr>
<td>DC Horn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC Horn</td>
<td>877-E1</td>
<td>12V DC</td>
<td>0.27 A</td>
<td>3.2</td>
<td>111/101</td>
<td>6</td>
</tr>
<tr>
<td>DC Horn</td>
<td>877-G1</td>
<td>24V DC</td>
<td>0.16 A</td>
<td>3.8</td>
<td>111/101</td>
<td>24</td>
</tr>
<tr>
<td>DC Horn</td>
<td>877-J1</td>
<td>32V DC</td>
<td>0.13 A</td>
<td>4.2</td>
<td>111/101</td>
<td>40</td>
</tr>
<tr>
<td>DC Horn</td>
<td>877-K1</td>
<td>48V DC</td>
<td>0.07 A</td>
<td>3.5</td>
<td>111/101</td>
<td>96</td>
</tr>
<tr>
<td>DC Horn</td>
<td>877-P1</td>
<td>125V DC</td>
<td>0.025 A</td>
<td>3.1</td>
<td>111/101</td>
<td>600</td>
</tr>
</tbody>
</table>

1Measured in an anechoic chamber.
2AC voltage frequency is 50/60 Hz.
3Diode Polarized version available in red, order 886D-N5.

Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Projector</td>
<td>872-PO</td>
</tr>
</tbody>
</table>

Signal Input Load Characteristics

These devices may be operated by PLCs with output characteristics that match the input load requirements of the signal.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Operating Voltage</th>
<th>Max. Off State Leakage Current (A)</th>
<th>Continuous On Current (A)</th>
<th>Surge (Inrush/Duration) Amps/Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>876-N5</td>
<td>120V AC</td>
<td>0.025</td>
<td>0.120</td>
<td>1.02/.000026</td>
</tr>
<tr>
<td>877-G1</td>
<td>24V DC</td>
<td>0.025</td>
<td>0.150</td>
<td>1.7/.000042</td>
</tr>
</tbody>
</table>
### Weights and Dimensions

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Approx. Net Weight (lb.)</th>
<th>Approx. Shipping Weight (lb.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>876-E5</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>876-G5</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>876-N5</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>876-R5</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>877-E1</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>877-G1</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>877-J1</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>877-K1</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>877-P1</td>
<td>3.20</td>
<td>3.40</td>
</tr>
<tr>
<td>872-PO</td>
<td>0.34</td>
<td>0.58</td>
</tr>
</tbody>
</table>

Volume adjustment set screw
1/16" (2mm) allen wrench supplied